

EMSA 950-1050 kVA

Technical Specifications



ENGINE

- EMSA series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled
- Direct injection
- Electronic governor system
- 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extension pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

QUALITY STANDARD

Our gen-sets; VDE 0530, BS 4999, BS 5000, IEC 34, TS ISO 8528, TS EN 12601 are manufactured in accordance with the standards mentioned above. Our company fulfills ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 management system requirements, and have the accredited certificates of Kiwa & MEYER. Also we've GOST-R certificate. Our gen-sets have TS ISO 8528-5, TS EN 12601 product standard certificates.

Our gen-sets are CE certified in accordance with the requirements of 2000/14/EC, noise emission directive.

ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic failure
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure

EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile - trailer
- Synchronization control panel for 2-6 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water separator filter

CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Battery charger
- Hardware and materials needed
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Low oil pressure
- High & low engine speed
- Low radiator water level
- Over current load
- High & low genset voltage
- Start/stop failure



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender



EMSA Series Diesel Generator Sets 950-1050 KVA

MODEL			E SD XX 0950	E SD XX 1050	
GROUP	GEN - SET POWER	STAND BY	kVA	950	1050
			kW	760	840
		PRIME	kVA	865	955
			kW	692	764
	CANOPY DIMENSION (W x L x H) mm			2100 x 4800 x 3170	2100 x 4800 x 3170
	CANOPY WEIGHT kg			6360	6520
	OPEN DIMENSION (W x L x H) mm			2100 x 4000 x 3110	2100 x 4000 x 3110
	OPEN WEIGHT kg			5660	5820
ENGINE	BRAND			EMSA SHANGHAI DIESEL	EMSA SHANGHAI DIESEL
	TYPE			SC27G900D2	SY720
	POWER	STAND BY	kW	805	885
			PRIME	kW	732
	SPEED (rpm)			1500	1500
	CYCLE			4	4
	DISPLACEMENT (lt)			28,30	29,60
	NUMBER OF CYLINDERS			12 V TYPE	12 V TYPE
	BORE AND STROKE (mm x mm)			138 X 158	138 X 165
	COMPRESSION RATIO			15,4:1	14,6:1
	GOVERNOR TYPE			ELECTRONIC	
	INDUCTION			TURBOCHARGED & AIR TO AIR CHARGE COOLED	
	COMBUSTION SYSTEM			DIRECT	
	COOLING SYSTEM			WATER	
	FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER		167,89	184,60
		75% OF PRIME POWER		125,92	138,45
		50% OF PRIME POWER		83,94	92,30
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			62	62	
TOTAL COOLANT CAPACITY (lt)			160	160	
FUEL TANK CAPACITY (lt)			1536	1536	

Emsa reserves the right to make changes in model, technical specifications, color, equipment & accessories without prior notice.